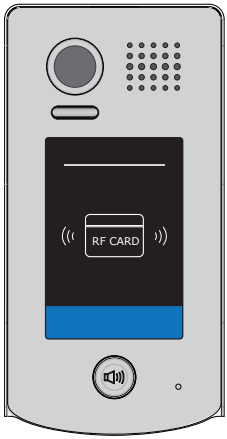
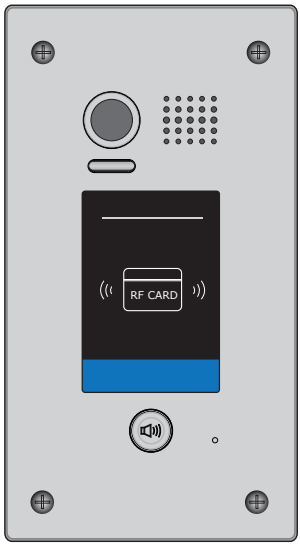
English

2-Wire Video Outdoor Station

User Manual



DT601/ID



DT601F/ID

DT-ENG-601(F)ID-V2 141122

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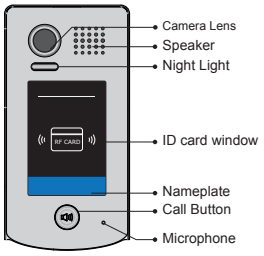
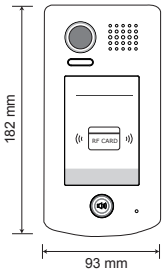
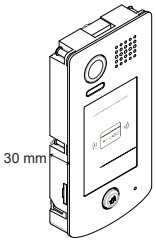
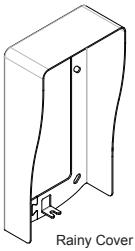
1.Parts and Functions



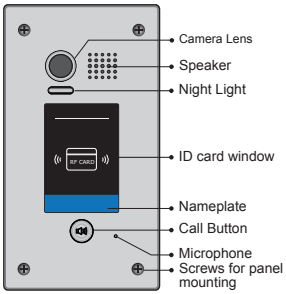
DT601/KP



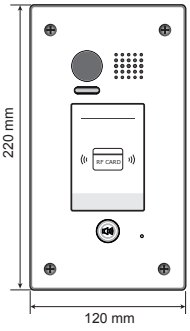


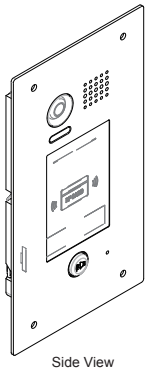


Rainy Cover

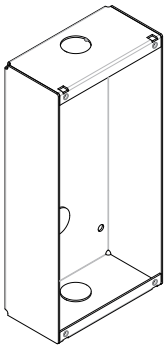


DT601F/ID



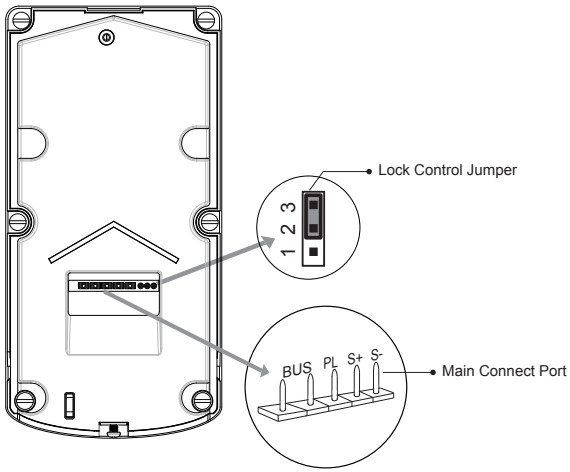


Side View



Mounting box

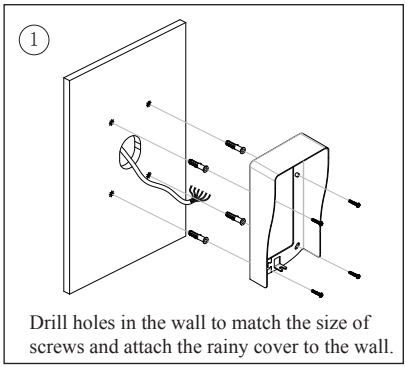
2.Terminal Descriptions



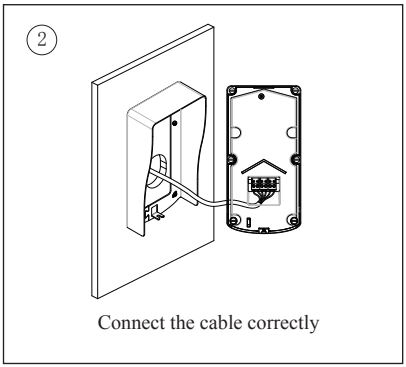
- **Lock Control Jumper:** To select the lock type.
- **Main Connect Port:** To connect the bus line and the electronic locks.
- BUS: Connect to the bus line, no polarity.
- PL: External lock power input, connect to the power positive(power +).
- S+: Lock power(+) output.
- S-: Lock power(-) output, connect to the power(-) input of locks(only when using the door station to power the locks, if using the external power supply for the locks, the S- will not be connected).

3.Door Station Mounting

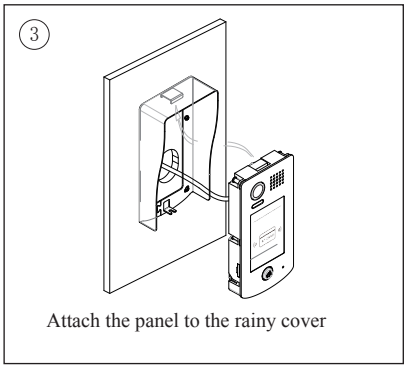
DT601/ID Mounting



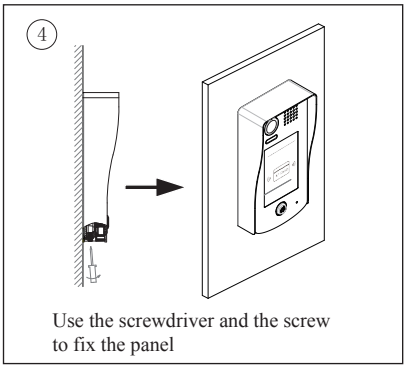
Drill holes in the wall to match the size of screws and attach the rainy cover to the wall.



Connect the cable correctly

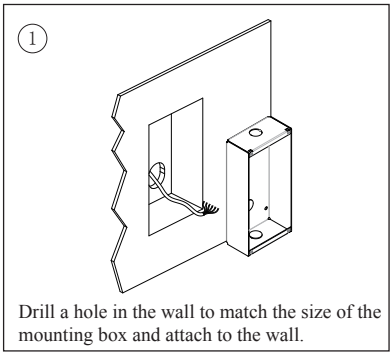


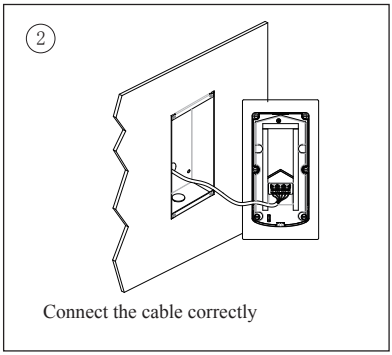
Attach the panel to the rainy cover

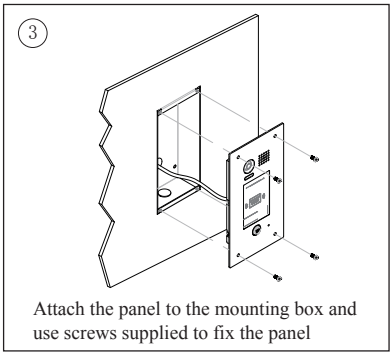


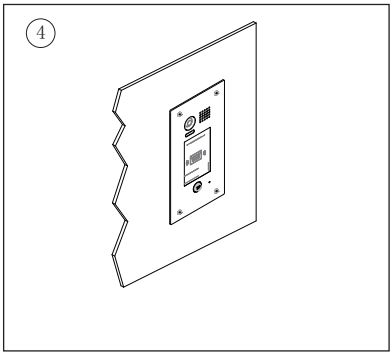
Use the screwdriver and the screw to fix the panel

DT601F/ID Mounting



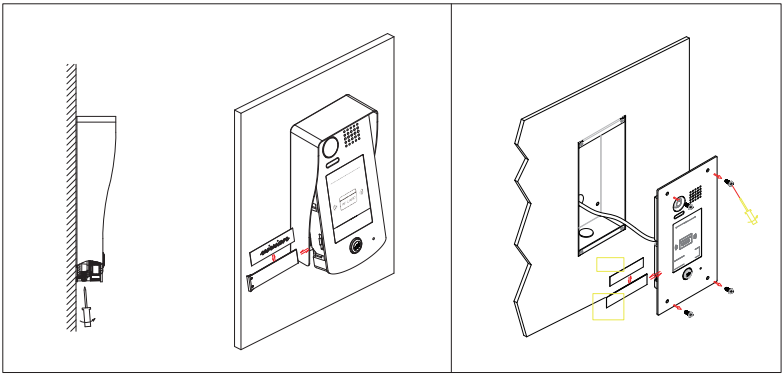






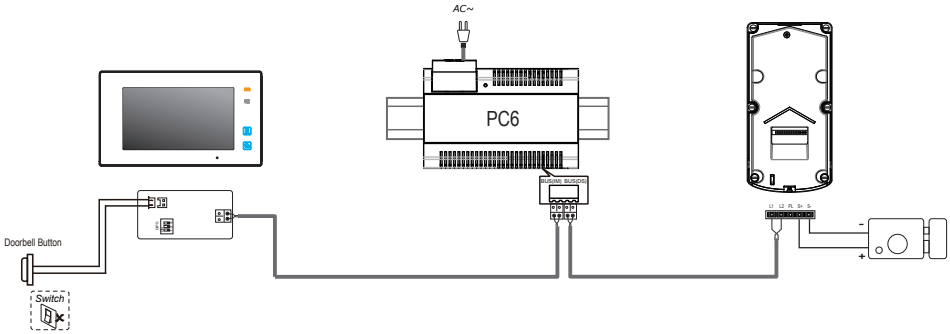
Placing Name Label

Use a screwdriver to unscrew the screw, and cock the host , then Placing Name Label.



4. System Wiring and Electric Lock Connection

Basic Connection



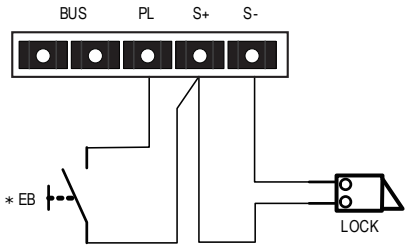
Electric Lock Connection

Door Lock Controlled with Internal Power

Note:

1. Electronic lock of Power-on-to-unlock type should be used.
2. The door lock is limited to 12V, and holding current must be less than 250mA.
3. The door lock control is not timed from Exit Button(EB).
4. The **Unlock Mode** Parameter of Monitor must be set to 0 (by default).

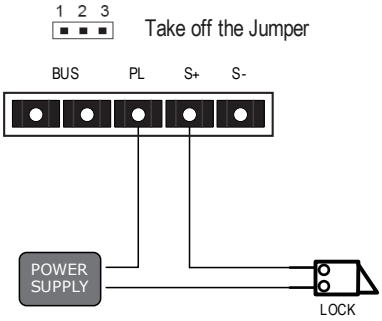
Jumper position in 2-3



Door Lock Controlled with Dry Contact

Note:

1. The external power supply must be used according to the lock.
2. The inside relay contact is restricted to AC or DC 24V/1A.
3. The jumper must be taken off before connecting.
4. Setup the **Unlock Mode** of Monitor for different lock types.
   - Power-on-to-unlock type:Unlock Mode=0 (by default)
   - Power-off-to-unlock type:Unlock Mode=1



Unlock parameter setting(set on monitor)

1.Touch 2EASY icon on main menu page.

2.Touch **UNLOCK** button and hold for 2s.

3.A digital keypad will be shown.

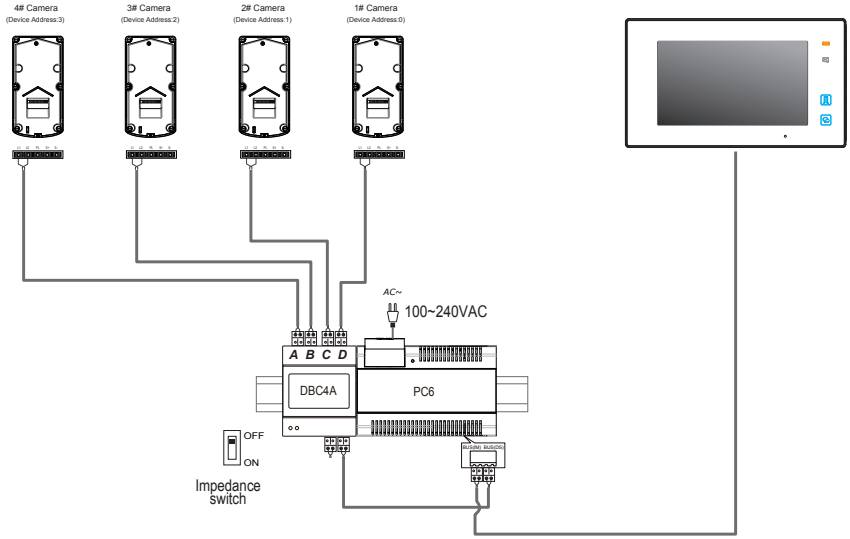
Note:

1.must connect DT601(F)/ID correctly before setting.

2.the parameter will be saved in DT601(F)/ID automatically, so you need only set on one monitor.

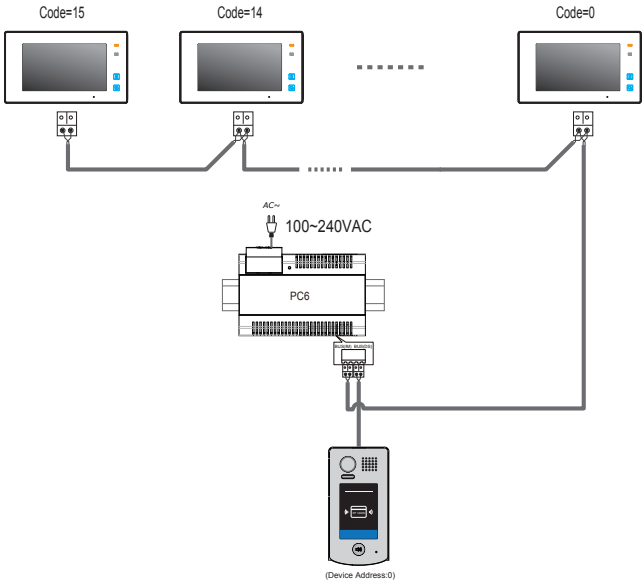
3.Here we take DT47M(the monitor) for example, please refer to the corresponding user manual.

Multi Door Stations Connection



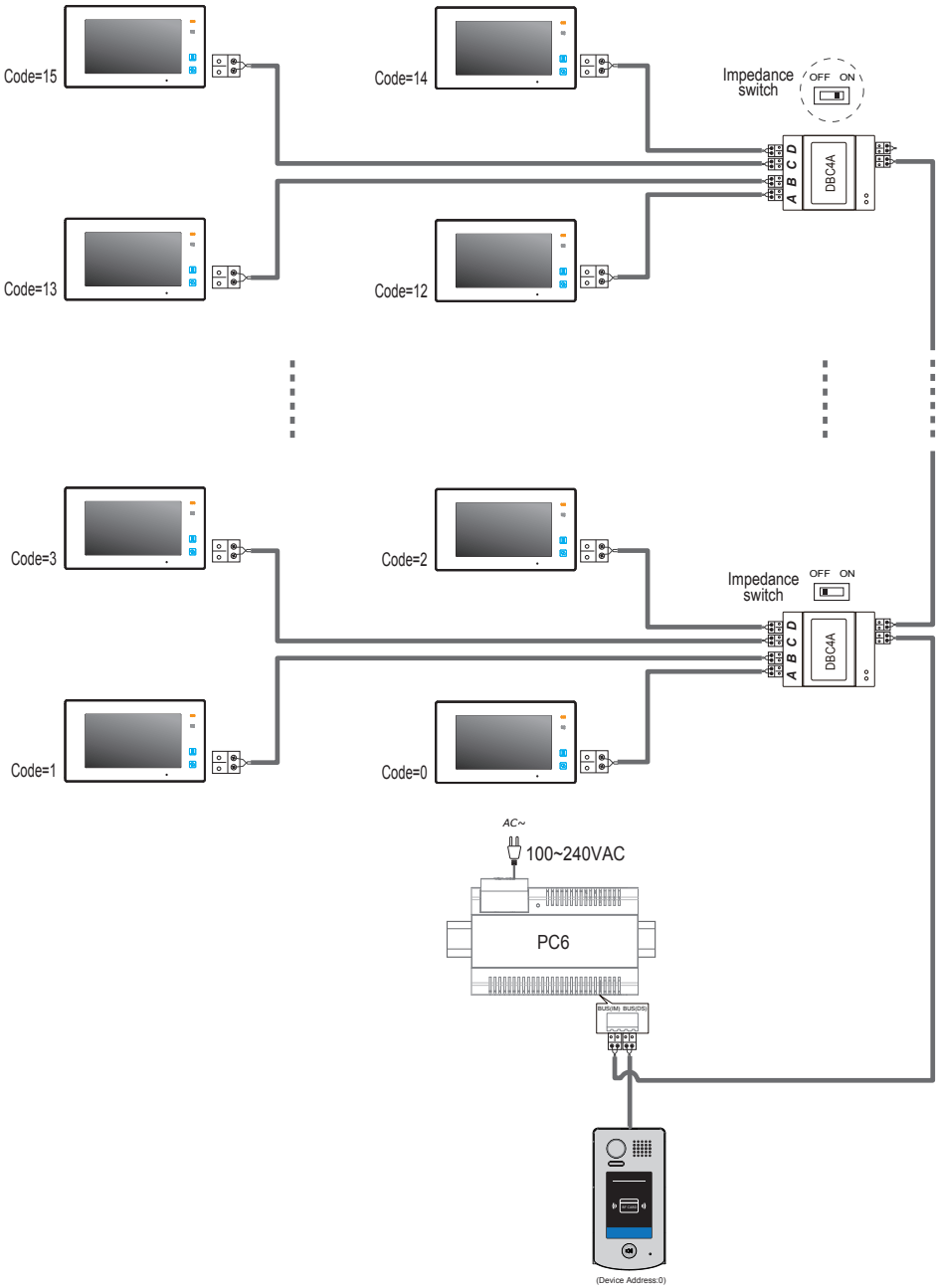
Multi Monitors Connection

Basic IN-OUT Wiring Mode



NOTE:Here we take DT47M(the monitor) for example.

With DBC4A Wiring Mode

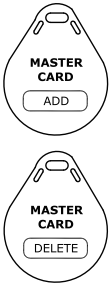


NOTE:Here we take DT47M(the monitor) for example.

5. ID Card Registration

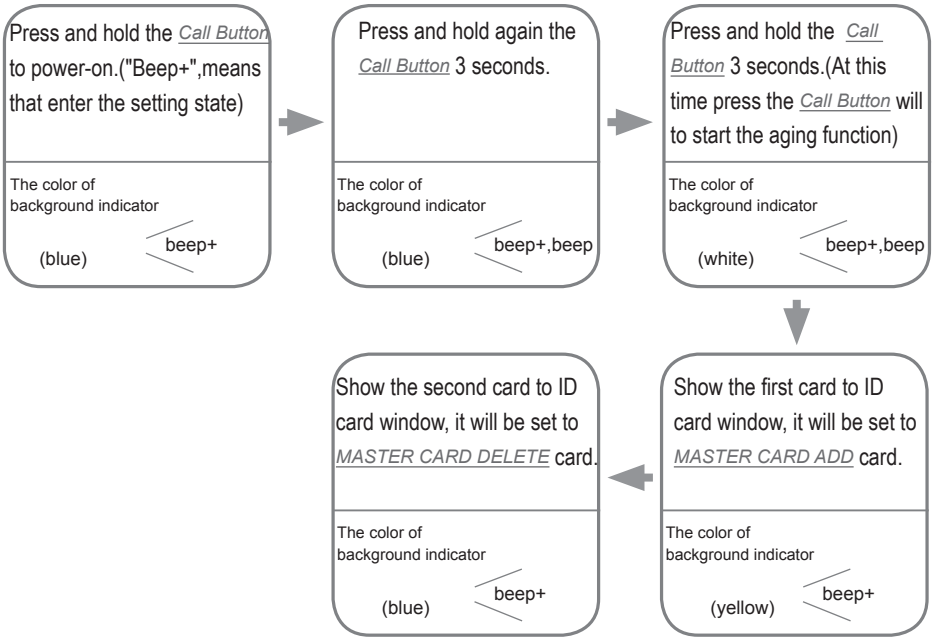
Introduction:

- Up to 320 user cards can be registered by the door station.
- Easy management with LED status and sound hints.
- There are two master cards, one *MASTER CARD ADD* card and one *MASTER CARD DELETE* card, When registered new master cards, the old master cards are invalid automatically.
- Card reading distance is from 3 to 5 cm.
- The master cards are necessary when you add or delete user cards. Please keep it well for future use.



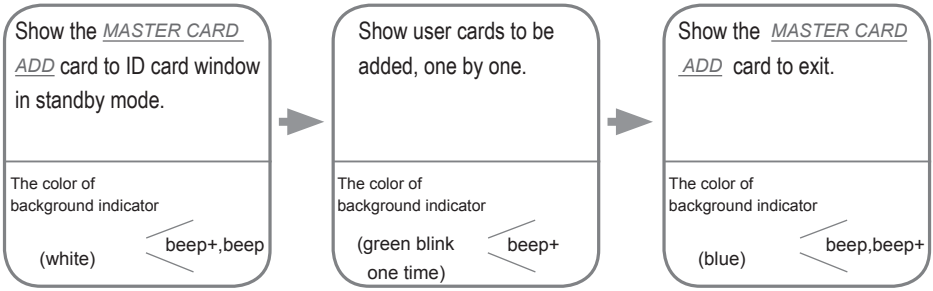
Authorize master cards:

By default,there are two master cards marked *MASTER CARD ADD* and *MASTER CARD DELETE* ,but you should know that the master card can be authorized by users at any time.That means any two user cards can be authorized to master cards,When registered new master cards, the old master cards are invalid automatically.


Press and hold the Call Button to power-on.("Beep+",means that enter the setting state)
The color of background indicator
(blue)
beep+
Press and hold again the Call Button 3 seconds.
The color of background indicator
(blue)
beep+,beep
Press and hold the Call Button 3 seconds.(At this time press the Call Button will to start the aging function)
The color of background indicator
(white)
beep+,beep
Show the first card to ID card window, it will be set to MASTER CARD ADD card.
The color of background indicator
(yellow)
beep+
Show the second card to ID card window, it will be set to MASTER CARD DELETE card.
The color of background indicator
(blue)
beep+

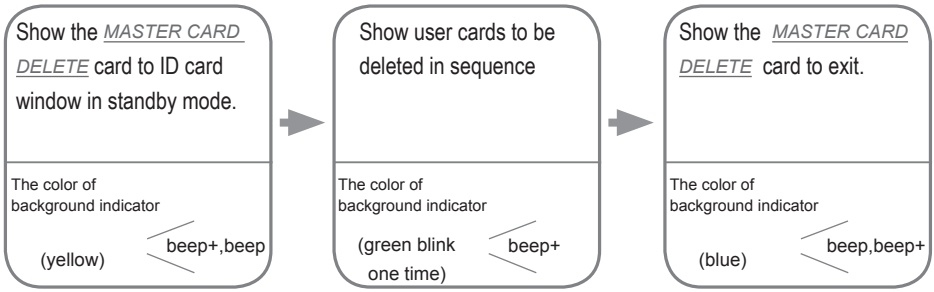
Notice:it will return to standby mode if no operation within 10s.Or press ***Call Button*** to exit the state of setting and start to call the monitor(except step 3).

Add User Cards:


Show the MASTER CARD ADD card to ID card window in standby mode.
The color of background indicator
(white)
beep+,beep
Show user cards to be added, one by one.
The color of background indicator
(green blink one time)
beep+
Show the MASTER CARD ADD card to exit.
The color of background indicator
(blue)
beep,beep+

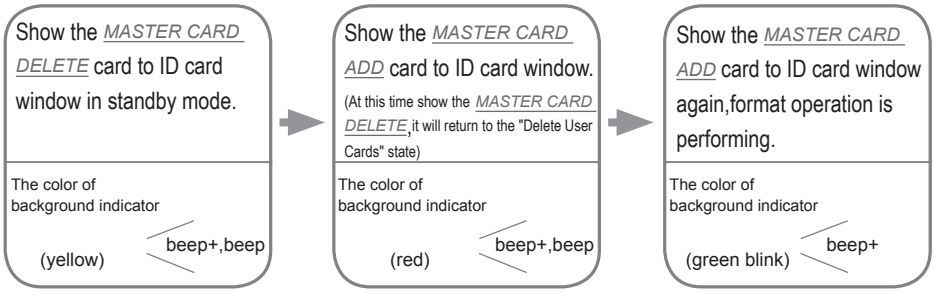
Notice:it will return to standby mode if no operation within 10s .Or press ***Call Button*** to exit the status of setting and start to call the monitor.

Delete User Cards:


Show the MASTER CARD DELETE card to ID card window in standby mode.
The color of background indicator
(yellow)
beep+,beep
Show user cards to be deleted in sequence
The color of background indicator
(green blink one time)
beep+
Show the MASTER CARD DELETE card to exit.
The color of background indicator
(blue)
beep,beep+

Notice:it will return to standby mode if no operation within 20s.Or press ***Call Button*** to exit the status of setting and start to call the monitor.

Access Initialization (delete all user cards):


Show the MASTER CARD DELETE card to ID card window in standby mode.
The color of background indicator
(yellow)
beep+,beep
Show the MASTER CARD ADD card to ID card window.
(At this time show the MASTER CARD DELETE,it will return to the "Delete User Cards" state)
The color of background indicator
(red)
beep+,beep
Show the MASTER CARD ADD card to ID card window again,format operation is performing.
The color of background indicator
(green blink)
beep+

Notice:1.Automatically returns to standby mode after FORMAT completed.

2.It will return to standby mode if no operation within 20s.Or press ***Call Button*** to exit the status of setting and start to call the monitor.

6.Unlock Operations

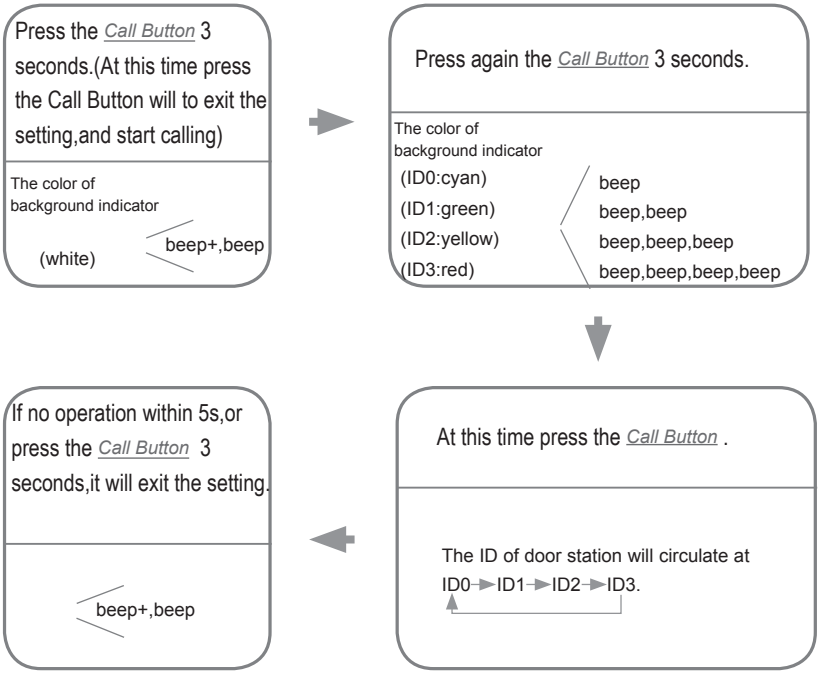
Unlocking of ID Card

When the registered user card has been shown to ID card window, the LED background indicator lights up, the buzzer sounds,and the electric door strike is unlocked.

1. If show the authorized user card,the buzzer will sound of beep+,and the LED background indicator will light up.

2. If show the unauthorized user card,the buzzer will sound of beep,beep,beep.

7.ID Settings of Door Station


Press the Call Button 3 seconds.(At this time press the Call Button will to exit the setting,and start calling)
The color of background indicator
(white)
beep+,beep
Press again the Call Button 3 seconds.
The color of background indicator
(ID0:cyan)
(ID1:green)
(ID2:yellow)
(ID3:red)
beep
beep,beep
beep,beep,beep
beep,beep,beep,beep
At this time press the Call Button .
The ID of door station will circulate at
ID0→ID1→ID2→ID3.
If no operation within 5s,or press the Call Button 3 seconds,it will exit the setting.
beep+,beep

8. Precaustions

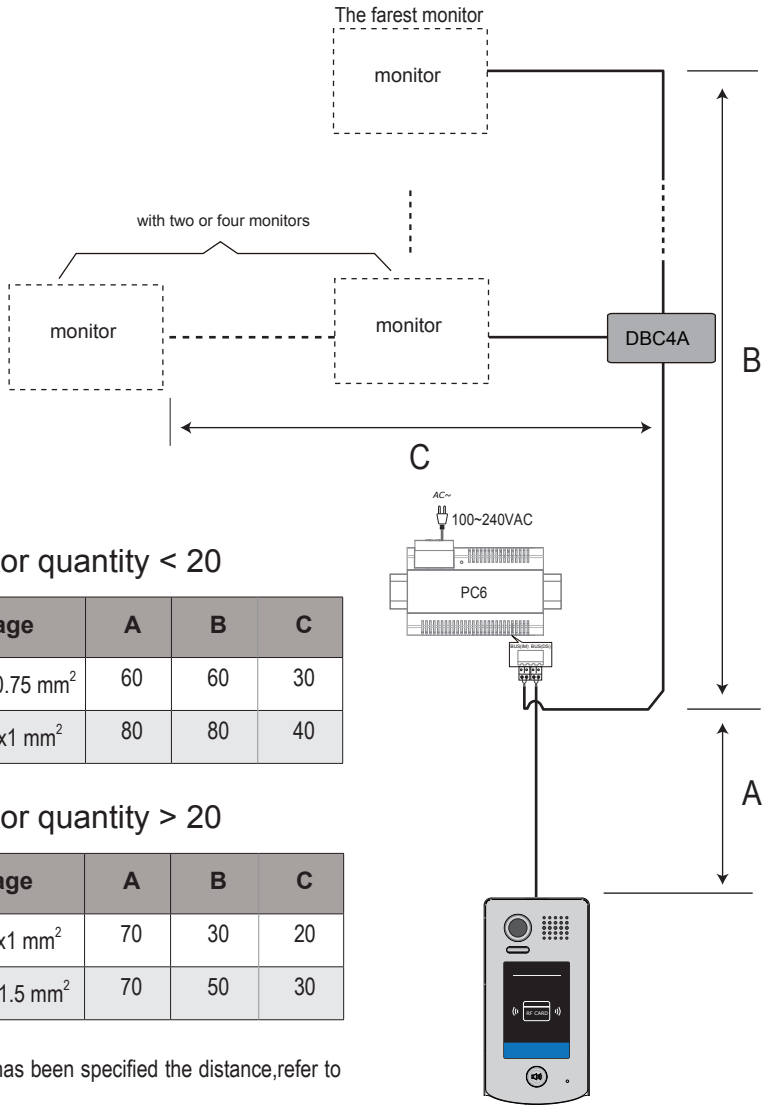
- Please clean the unit with soft cotton cloth, don't use the organic impregnant or chemical clean agent. If necessary, please use a little pure water or dilute soap water to clean the dust.
- The unit is weather resistant. However do not spray high pressure water on access control keypad directly. Excessive moisture may cause problems with the unit.
- You must use the right adaptor which is supplied by the manufacture or approved by the manufacture..
- Pay attention to the high voltage inside the products, please refer service only to a trained and qualified professional.

9. Specifications

• Power Supply :	DC 24V (supplied by PS4-24V or PS5-24V);
• Power Consumption:	Standby 40mA; Working status 160mA;
• Camera:	Color ARS; 420 TV Lines;
• Lock Power supply:	12Vdc, 280mA(Internal Power);
• Number of relay circuits:	2(the second lock need external device to support)
• Mounting:	Surface mounting(DT601/ID) Flush mounting (DT601F/ID)
• Working temperature:	-15ºC ~ +55ºC
• Wiring:	2 wires,non-polarity
• Dimension:	182(H)×93(W)×44(D)mm(DT601/ID) 220(H)×120(W)×50(D)mm(DT601F/ID)

10. Cables Requirements

The maximum distance of the wiring is limited in the DT system. Using different cables may also affect the maximum distance which the system can reach.



When Monitor quantity < 20

Cable Usage	A	B	C
Twisted cable 2x0.75 mm^2	60	60	30
Twisted cable 2x1 mm^2	80	80	40

When Monitor quantity > 20

Cable Usage	A	B	C
Twisted cable 2x1 mm^2	70	30	20
Twisted cable 2x1.5 mm^2	70	50	30

Note:If the monitor has been specified the distance,refer to the parameter.

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